Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Original)   A polypeptide comprising a W-rich peptide and a conservative variant or functional fragment thereof.

2. (Original)   The polypeptide according to claim 1, which is from 4 to 15 amino acids long.

3. (Original)   The polypeptide according to claim 2, which is from 4 to 10 amino acids long.

4. (Original)   The polypeptide according to claim 3, which is from 4 to 7 amino acids long.

5. (Original)   The polypeptide according to claim 4, which is 6 amino acids long.

6. (Currently amended)   The polypeptide according to claim 1, which is represented by SEQ ID NOS:4, 5, 6, 8, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, ~~35~~ or 7.

7. (Original)   The polypeptide according to claim 6, which is represented by SEQ ID NOS:4, 5, 6, 8, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29 or 30.

8. (Original)   The polypeptide according to claim 7, which is represented by SEQ ID NOS:4, 5, 6, 8, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26 or 27.

9. (Original)   The polypeptide according to claim 8, which is represented by SEQ ID NOS:4, 16, 17, 18, 19, 20, 21, 22, 23 or 25.

10. (Original) The polypeptide according to claim 9, which is represented by SEQ ID NOS:4, 16, 18, 20, 21 or 22.

11. (Original) The polypeptide according to claim 10, which is represented by SEQ ID NOS:4 or 16.

12. (Original) A W-rich peptide mimic.

13. (Original) A method of preventing inflammation in a subject comprising the steps of: providing an inflammation preventing effective amount of the polypeptide according to claim 1 or a W-rich peptide mimic thereof to the subject in need thereof.

14. (Currently amended)   A ~~A~~ The method ~~of treating arthritis in a subject comprising the steps of: providing an inflammation preventing effective amount of the polypeptide according to claim 1 or a W-rich peptide mimic thereof to the subject in need thereof~~ according to claim 13, wherein the inflammation is arthritis.

15. (Original) A method of treating an auto-immune disease in a subject comprising the steps of: providing a therapeutically effective amount of the polypeptide according to claim 1 or a W-rich peptide mimic thereof to the subject in need thereof.

16. (Original) A method of preventing binding of Aβ42 to human neutrophils comprising contacting the neutrophil with the polypeptide according to claim 1 or a W-rich peptide mimic thereof.

17. (Original) A method of treating Alzheimer's Disease comprising administering a therapeutically effective amount of the polypeptide according to claim 1 or a W-rich peptide mimic thereof to a subject in need thereof.

18. (Original) A method of identifying a FPR class receptor antagonist comprising the steps of: providing a cell having a FPR class receptor; contacting the cell with a candidate antagonist compound; and identifying the candidate antagonist compound as an antagonist compound if the candidate binds to a FPR class receptor and inhibits its activity.

19. (Original) The method according to claim 18, wherein the FPR class receptor is a FPRL1.

20. (Original) A pharmaceutical composition comprising the polypeptide according to claim 1 or W-rich peptide mimic thereof.